NAME:	
DATE:	

## HEART RATE (HR) and BLOOD PREASURE (BP) MEASURING

HRrest (palpation method) = ..... beats/min

 $HRmax = 208 - (0,7x \text{ age}) = 208 - (0,7x \dots) = \dots \text{beats/min}$ 

S = sur	rface area (m <sup>2</sup> )

CARDIAC OUTPUT (Q)

$$Q(ml \cdot \min^{-1}) = \frac{BPpuls \cdot c}{BPs + BPd} \cdot HR \cdot S$$

BPpuls = pulse pressure= sTK-dTK BPs = systolic BP BPd = diastolic BP c = constant = 200

 $Q(ml.min^{-1}) =$ 

## STROKE VOLUME (Qs)

 $Q_{S}(ml) = Q(ml \cdot \min^{-1}) : HR$ 

 $Q_{s}(ml) =$ 

HR and BP AFTER LOAD

Working procedure:

1. After several minutes of rest setting idle person measure HR and BP.

2. Then the investigated person performs 30 deep squats with frequency: 1 squat per 1 sec.

3. After load (exercise) measure HR and BP and than measure every minute until the return to resting values (at lest 2 min after load).

## Recording of measurement:

Values	HR		BP (mmHg)		0	0.
	пк	BPs	BPd	BPpuls	Q	Qs
rest						
immediately after load						
1 min. after load						
2 min. after load						
3 min. after load						
4 min. after load						
5 min. after load						